

**A CONDITION MANAGEMENT SYSTEM
AND METHOD OF OPERATION THEREOF**

ABSTRACT OF THE DISCLOSURE

For use with a processor employing a hierarchical register consolidation structure (HRCS), a condition management system and method of operation thereof. In one embodiment, the system includes a condition management structure (CMS) that abstracts groups of status indicators associated with the HRCS into a tree of hierarchical container objects and element objects. Each of the container objects is associated with at least one of the element objects and linked to a single parent object, and each of the element objects configured to represent at least one of the status indicators and linked to a single child object. The system further includes an abstraction retrieval subsystem that employs the CMS to traverse the HRCS to determine a condition of at least one of the status indicators, and an abstraction management subsystem that employs the CMS to control a propagation of selected ones of the status indicators through the HRCS.